

Quarterly Progress Report

Project Title:	Corrugated Steel Culvert Pipe Deterioration -Year I		
RFP Number: 2002 – 02	NJDOT Research Project Manager: Mr. Robert Sasor		
Task Order Number/Study Number: TO-42	Principal Investigator: Meegoda, Jay N.		
Period Starting: 1/1/2003 - 12/31/2004 (Start-End Date of Study)	Period Ending: 09/02/2003		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Phase I – Literature Search	9.5	0	100	9.5
Phase II – Task 1	6	85	100	6
Phase II – Task 2	6	85	100	6
Phase II – Task 3	6	40	50	3
Phase II – Task 4	6	0	0	0
Phase II – Task 5	6	0	0	0
Phase II – Task 6	9.5	25	25	2.375
Phase II – Task 7	6	0	0	0
Phase II – Task 8	15.0	0	0	0
Phase II – Task 9	15.0	25	25	3.75
Final Report	15.0	0	0	0
TOTAL	100 %			30.6 %

1. Progress this quarter by task:

APPROXIMATELY 31%

Literature search, Phase II Tasks 1 and 2 completed.

Approximately 30% of Phase II tasks 3, 6 and 9 are completed.

Phase II Task 1 - Contacted other state DOT's making sure to include the Northeast states, to find out their experience with using CSCP. Prepared Technical Memorandum summarizing same.

Phase II Task 2 - Studied methods for inventorying, inspecting, and cleaning CSCP used by other states. Determined optimum inspection and cleaning schedules and the best techniques and equipment to use.

Phase II Task 3 - Studied means of assessing the condition of CSCP, estimating pipe deterioration rates, and predicting service life for pipes in different parts of the state and with different uses. Developed predictive model and submitted technical paper to TRB. Executed Outside User Agreement with USEPA to allow use of their Edison Facility for flow testing of used CSCP.

Phase II Task 6 - Study methods of inspection and maintenance record keeping and data storage used by other states. Examined data entry forms.

Phase II Task 9 - Determine the conditions for which CSCP should be used in new construction.

Phase II Task 3 - Study means of assessing the condition of CSCP, estimating

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pipe deterioration rates, and predicting service life for pipes in different parts of the state and with different uses.

Phase II Task 6 - Study methods of inspection and maintenance record keeping and data storage used by other states. Examine data entry forms. Consider the benefits of storing CSCP pipe data in a centralized database, so that it could be easily accessed statewide to facilitate decision-making.

Phase II Task 9 - Determine the conditions for which CSCP should be used in new construction. Expanded literature review.

2. Proposed activities for next quarter by task:

Phase II Task 3 - Study means of assessing the condition of CSCP, estimating pipe deterioration rates, and predicting service life for pipes in different parts of the state and with different uses. Develop Research Plan and Health and Safety Plan for flow testing CSCP at USEPA Edison.

Phase II Task 5 - Determine the best methods and materials for repairing, rehabilitating, or replacing CSCP based on the experiences of other states. Study economic analyses of both methods and materials.

Phase II Task 6 - Study methods of inspection and maintenance record keeping and data storage used by other states. Consider the benefits of storing CSCP pipe data in a centralized database, so that it could be easily accessed statewide to facilitate decision-making.

Phase II Task 9 - Determine the conditions for which CSCP should be used in new construction.

3. List of deliverables provided in this quarter by task (product date):

Phase II Task 1 - Contact other state DOT's, Technical Memorandum summarizing same.

4. Progress on implementation and training activities:

None

5. Problems/proposed solutions:

None

6. Budget summary:

Total Project Budget (# Years)	2 Year	\$282,766.00
Total Project Expenditure to date		\$32,000.00
% of Total Project Budget Expended		11.32%
Task Order Number/ Study Number	1 Year	TO-42
Current Task Order Budget (# of Years)		\$91,863.00
Actual Expenditure to Date Against Current Task Order		\$32,000.00
% of Current Task Order Budget Expended		34.83%